

[KO Validated] CD71/Transferrin Receptor Rabbit mAb

Catalog No.: A22161 KO Validated Recombinant 4 Publications

Basic Information

Observed MW

90kDa

Calculated MW

85kDa

Category

Primary antibody

Applications

WB,IHC-P,IF/ICC,ELISA

Cross-Reactivity

Human

CloneNo number

ARC54396

Background

This gene encodes a cell surface receptor necessary for cellular iron uptake by the process of receptor-mediated endocytosis. This receptor is required for erythropoiesis and neurologic development. Multiple alternatively spliced variants have been identified.

Recommended Dilutions

WB 1:80000 - 1:480000

IHC-P 1:200 - 1:2000

IF/ICC 1:100 - 1:400

ELISA Recommended starting

concentration is 1 µg/mL.

Please optimize the
concentration based on
your specific assay
requirements.

Immunogen Information

Gene ID7037

Swiss Prot
P02786

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

T9; TR; TFR; p90; CD71; TFR1; TRFR; IMD46

Contact

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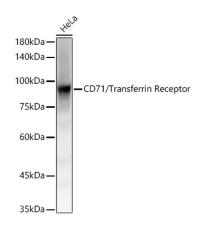
Product Information

SourceIsotypePurificationRabbitIgGAffinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.



Western blot analysis of lysates from HeLa cells using [KO Validated] CD71/Transferrin Receptor Rabbit mAb (A22161) at1:80000 dilution.

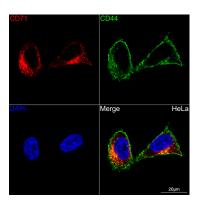
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

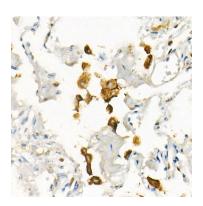
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 5 s.



Confocal imaging of HeLa cells using [KO Validated] CD71/Transferrin Receptor Rabbit mAb (A22161, dilution 1:200) (Red). The cells were counterstained with CD44 Rabbit mAb (A21919, dilution 1:200) (Green). DAPI was used for nuclear staining (blue). Objective: 60x.



Immunohistochemistry analysis of paraffinembedded Human lung using [KO Validated] CD71/Transferrin Receptor Rabbit mAb (A22161) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.